

Patent Abstracts of Japan

PUBLICATION NUMBER : 09194419
PUBLICATION DATE : 29-07-97

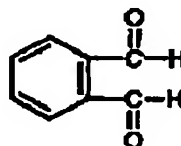
APPLICATION DATE : 22-01-96
APPLICATION NUMBER : 08008736

APPLICANT : KURITA WATER IND LTD;

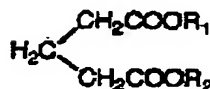
INVENTOR : YAGI MINORU;

INT.CL. : C07C 47/544 C07C 45/86 C07C 69/40
C07C 69/42 C07D317/26 // A01N 35/04

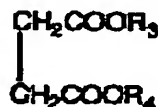
TITLE : STABILIZED SOLUTION OF
ORTHO-PHTHALALDEHYDE



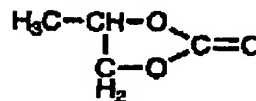
I



II



III



IV

ABSTRACT : PROBLEM TO BE SOLVED: To prepare a stabilized o-phthalaldehyde solution having high safety to enable advantageous storage, transportation, etc., by dissolving o-phthalaldehyde having antibacterial property and useful as a bacteriostatic agent or a bactericidal agent in a specific solvent.

SOLUTION: The objective solution is produced by dissolving o-phthalaldehyde of formula I in at least one kind of solvent selected from dialkyl glutarate of formula II (R^1 and R^2 are each a 1-3C alkyl), dialkyl succinate of formula III (R^3 and R^4 are each a 1-3C alkyl) and propylene carbonate of formula IV or in a solvent containing the above solvents as main component. The total amount of the solvents selected from the compound of formula II, the compound of formula III and the compound of formula IV in the total solvent is preferably $\geq 50\text{wt.}\%$. The stabilized solution produced by this process is suitable as a production raw material for a bactericidal or bacteriostatic agent or usable as a bactericidal or bacteriostatic agent as it is.

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